

Case Docket Number: 50212-587

Customer Number: 20277

**UTILITY PATENT APPLICATION  
UNDER 37 CFR 1.53(b)**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR: Manabu SHIOZAKI, Masakazu SHIGEHARA  
FOR: DIFFRACTION GRATING ELEMENT, OPTICAL MODULE AND OPTICAL  
COMMUNICATIONS SYSTEM

Enclosed are:

- ☒ 42 pages of specification, claims, abstract.
- ☒ Declaration and Power of Attorney.
- ☒ Priority Claimed.
- ☒ Certified copy of Japanese Patent Application No. 2003-100566
- ☒ 7 sheets of formal drawing.
- ☒ An assignment of the invention to Sumitomo Electric Industries, Ltd.  
and the assignment recordation fee.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- ☐ Information Disclosure Statement, Form PTO-1449 and reference.
- ☒ Return Receipt Postcard

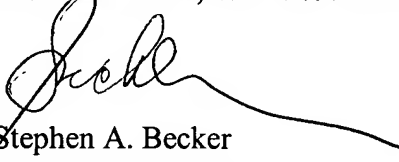
The filing fee has been calculated as shown below:

	NO. OF CLAIMS		EXTRA CLAIMS	RATE	AMOUNT
Total Claims	10	-20	0	\$18.00	\$0.00
Independent Claims	1	-3	0	\$86.00	\$0.00
Multiple Dependent Claim(s)					\$0.00
<b>Basic Fee</b>					\$770.00
Total of Above Calculations					\$770.00
Less ½ for Small Entity					\$0.00
Assignment & Recording Fee					\$40.00
<b>Total Fee</b>					<b>\$810.00</b>

- ☒ Please charge my Deposit Account No. 500417 in the amount of \$810.00. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 500417 . A duplicate copy is enclosed.
  - ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 500417. A duplicate copy of this sheet is enclosed.
  - ☒ Any patent application processing fees under 37 CFR 1.17.
  - ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 SAB:prg  
Facsimile: (202) 756-8087  
**Date: April 2, 2004**